

## AMENDMENT

Subject matter to be added is in bold and underlined.

Subject matter to be deleted is in bold and strikethrough.

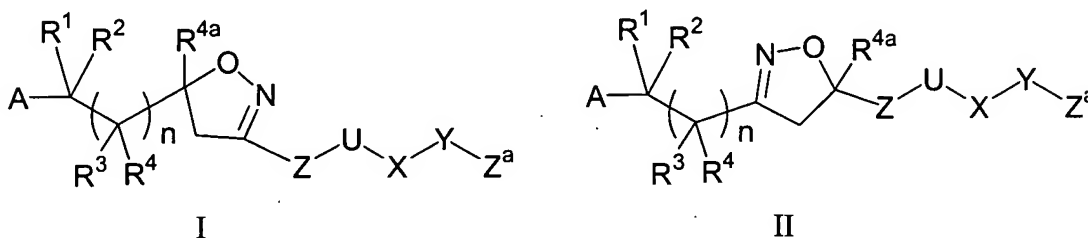
### In the Claims:

Please cancel claims 11-12 and 14 without prejudice or disclaimer to presentation in a later application.

Please amend claim 13 and enter new claims 24-33 as follows.

This listing of claims will replace all prior versions and listings of claims in the application.

1. (Original) A compound of formula I or II:



or a stereoisomer or pharmaceutically acceptable salt form thereof, wherein;

A is -C(O)NHOH, -C(O)NHOR<sup>5</sup>, -C(O)NHOR<sup>6</sup>, -N(OH)COR<sup>5</sup>, or -N(OH)CHO;

U is absent or is O, NR<sup>a1</sup>, C(O), CR<sup>a</sup>(OH), C(O)O, OC(O), C(O)NR<sup>a1</sup>, NR<sup>a1</sup>C(O), OC(O)O, OC(O)NR<sup>a1</sup>, NR<sup>a1</sup>C(O)O, NR<sup>a1</sup>C(O)NR<sup>a1</sup>, S(O)<sub>p</sub>, S(O)<sub>p</sub>NR<sup>a1</sup>, NR<sup>a1</sup>S(O)<sub>p</sub>, or NR<sup>a1</sup>SO<sub>2</sub>NR<sup>a1</sup>;

X is absent or is C<sub>1-10</sub> alkylene, C<sub>2-10</sub> alkenylene, or C<sub>2-10</sub> alkynylene;

Y is absent or is O, NR<sup>a1</sup>, S(O)<sub>p</sub>, or C(O);

Z is a C<sub>3-13</sub> carbocycle substituted with 1-5 R<sup>b</sup>, or a 5-14 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and S(O)<sub>p</sub>, and substituted with 1-5 R<sup>b</sup>;

Z<sup>a</sup> is H, C<sub>3-13</sub> carbocycle substituted with 1-5 R<sup>c</sup>, or a 5-14 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and S(O)<sub>p</sub>, and substituted with 1-5 R<sup>c</sup>;

provided that U, Y, Z, and Z<sup>a</sup> do not combine to form a N-N, N-O, O-N, O-O, S(O)<sub>p</sub>-O, O-S(O)<sub>p</sub>, or S(O)<sub>p</sub>-S(O)<sub>p</sub> group;

R<sup>1</sup> is Q, C<sub>1-6</sub> alkylene-Q, C<sub>2-6</sub> alkenylene-Q, C<sub>2-6</sub> alkynylene-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>O(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)O(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>OC(O)(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)NR<sup>a</sup>R<sup>a1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)NR<sup>a</sup>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>C(O)(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>OC(O)O(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>OC(O)NR<sup>a</sup>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>C(O)O(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>C(O)NR<sup>a</sup>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>S(O)<sub>p</sub>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>SO<sub>2</sub>NR<sup>a</sup>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>SO<sub>2</sub>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, or -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>SO<sub>2</sub>NR<sup>a</sup>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q;

Q is, independently at each occurrence, H, CHF<sub>2</sub>, CH<sub>2</sub>F, CF<sub>3</sub>, a C<sub>3-13</sub> carbocycle substituted with 0-5 R<sup>d</sup>, or a 5-14 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and S(O)<sub>p</sub>, and substituted with 0-5 R<sup>d</sup>;

R<sup>2</sup> is Q<sup>1</sup>, C<sub>1-6</sub> alkylene-Q<sup>1</sup>, C<sub>2-6</sub> alkenylene-Q<sup>1</sup>, C<sub>2-6</sub> alkynylene-Q<sup>1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>O(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q<sup>1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q<sup>1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q<sup>1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)O(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q<sup>1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)NR<sup>a</sup>R<sup>a1</sup>, or -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)NR<sup>a</sup>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q<sup>1</sup>;

Q<sup>1</sup> is, independently at each occurrence, H, a C<sub>3-13</sub> carbocycle substituted with 0-5 R<sup>d</sup>, or a 5-14 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and S(O)<sub>p</sub>, and substituted with 0-5 R<sup>d</sup>;

alternatively, R<sup>1</sup> and R<sup>2</sup> combine, along with the carbon atom to which they are attached, to form a 3-7 membered carbocyclic or heterocyclic ring consisting of: carbon atoms and 0-3 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2 R<sup>d</sup>;

R<sup>3</sup> is Q, C<sub>1-6</sub> alkylene-Q, C<sub>2-6</sub> alkenylene-Q, C<sub>2-6</sub> alkynylene-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>O(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)O(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>OC(O)(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)NR<sup>a</sup>R<sup>a1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)NR<sup>a</sup>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>C(O)(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q,

$-(\text{CR}^a\text{R}^{a1})_r\text{OC}(\text{O})\text{O}(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{OC}(\text{O})\text{NR}^a(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ,  
 $-(\text{CR}^a\text{R}^{a1})_r\text{NR}^a\text{C}(\text{O})\text{O}(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{NR}^a\text{C}(\text{O})\text{NR}^a(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ,  
 $-(\text{CR}^a\text{R}^{a1})_r\text{S}(\text{O})_p(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{SO}_2\text{NR}^a(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ,  
 $-(\text{CR}^a\text{R}^{a1})_r\text{NR}^a\text{SO}_2(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ , or  $-(\text{CR}^a\text{R}^{a1})_r\text{NR}^a\text{SO}_2\text{NR}^a(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ;

alternatively,  $\text{R}^1$  and  $\text{R}^3$  combine, along with the carbon atom to which they are attached, to form a 3-7 membered carbocyclic or heterocyclic ring consisting of: carbon atoms and 0-3 heteroatoms selected from the group consisting of N, O, and  $\text{S}(\text{O})_p$  and substituted with 0-2  $\text{R}^d$ ;

alternatively, when  $\text{R}^1$  and  $\text{R}^3$  combine to form a carbocyclic or heterocyclic ring, the  $\text{R}^2$  and  $\text{R}^4$  combine to form a double bond;

$\text{R}^4$  is  $\text{Q}^1$ ,  $\text{C}_{1-6}$  alkylene- $\text{Q}^1$ ,  $\text{C}_{2-6}$  alkenylene- $\text{Q}^1$ ,  $\text{C}_{2-6}$  alkynylene- $\text{Q}^1$ ,  
 $-(\text{CR}^a\text{R}^{a1})_r\text{O}(\text{CR}^a\text{R}^{a1})_s\text{-Q}^1$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{NR}^a(\text{CR}^a\text{R}^{a1})_s\text{-Q}^1$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{C}(\text{O})(\text{CR}^a\text{R}^{a1})_s\text{-Q}^1$ ,  
 $-(\text{CR}^a\text{R}^{a1})_r\text{C}(\text{O})\text{O}(\text{CR}^a\text{R}^{a1})_s\text{-Q}^1$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{C}(\text{O})\text{NR}^a\text{R}^{a1}$ , or  
 $-(\text{CR}^a\text{R}^{a1})_r\text{C}(\text{O})\text{NR}^a(\text{CR}^a\text{R}^{a1})_s\text{-Q}^1$ ;

alternatively,  $\text{R}^3$  and  $\text{R}^4$  combine, along with the carbon atom to which they are attached, to form a 3-7 membered carbocyclic or heterocyclic ring consisting of: carbon atoms and 0-3 heteroatoms selected from the group consisting of N, O, and  $\text{S}(\text{O})_p$  and substituted with 0-2  $\text{R}^d$ ;

$\text{R}^{4a}$  is Q,  $\text{C}_{1-6}$  alkylene-Q,  $\text{C}_{2-6}$  alkenylene-Q,  $\text{C}_{2-6}$  alkynylene-Q,  
 $-(\text{CR}^a\text{R}^{a1})_r\text{O}(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{NR}^a(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{C}(\text{O})(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ,  
 $-(\text{CR}^a\text{R}^{a1})_r\text{C}(\text{O})\text{O}(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{C}(\text{O})\text{NR}^a\text{R}^{a1}$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{C}(\text{O})\text{NR}^a\text{OR}^a$ ,  
 $-(\text{CR}^a\text{R}^{a1})_r\text{C}(\text{O})\text{NR}^a(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{NR}^a\text{C}(\text{O})(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ,  
 $-(\text{CR}^a\text{R}^{a1})_r\text{NR}^a\text{C}(\text{O})\text{O}(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{S}(\text{O})_p(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ , or  
 $-(\text{CR}^a\text{R}^{a1})_r\text{SO}_2\text{NR}^a(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ;

alternatively,  $\text{R}^1$  and  $\text{R}^{4a}$  in Formula I combine, along with the carbon atoms to which they are attached, to form a 3-7 membered carbocyclic or heterocyclic ring consisting of: carbon atoms and 0-3 heteroatoms selected from the group consisting of N, O, and  $\text{S}(\text{O})_p$  and substituted with 0-3  $\text{R}^d$ , provided that n is 0;

alternatively,  $R^3$  and  $R^{4a}$  in Formula I combine, along with the carbon atoms to which they are attached, to form a 3-7 membered carbocyclic or heterocyclic ring consisting of: carbon atoms and 0-3 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2  $R^d$ ;

$R^a$  is, independently at each occurrence, H, C<sub>1-6</sub> alkyl, phenyl, or benzyl;

$R^{a1}$  is, independently at each occurrence, H, C<sub>1-6</sub> alkyl substituted with 0-1  $R^{c1}$ , C<sub>2-6</sub> alkenyl substituted with 0-1  $R^{c1}$ , C<sub>2-6</sub> alkynyl substituted with 0-1  $R^{c1}$ , or  $-(CH_2)_r$ -3-8 membered carbocyclic or heterocyclic ring consisting of carbon atoms and 0-2 ring heteroatoms selected from N,  $NR^{a2}$ , O, and S(O)<sub>p</sub>, and substituted with 0-3  $R^{c1}$ ;

alternatively,  $R^a$  and  $R^{a1}$  when attached to a nitrogen, together with the nitrogen to which they are attached, combine to form a 5 or 6 membered heterocycle consisting of carbon atoms and from 0-1 additional heteroatoms selected from N,  $NR^{a2}$ , O, and S(O)<sub>p</sub>;

$R^{a2}$  is, independently at each occurrence, C<sub>1-4</sub> alkyl, phenyl, or benzyl;

$R^{a3}$  is, independently at each occurrence, H, C<sub>1-6</sub> alkyl substituted with 0-1  $R^{c1}$ , C<sub>2-6</sub> alkenyl substituted with 0-1  $R^{c1}$ , C<sub>2-6</sub> alkynyl substituted with 0-1  $R^{c1}$ , or  $-(CH_2)_r$ -3-8 membered carbocyclic or heterocyclic ring consisting of carbon atoms and 0-2 ring heteroatoms selected from N,  $NR^{a2}$ , O, and S(O)<sub>p</sub>, and substituted with 0-3  $R^{c1}$ ;

$R^b$  is, independently at each occurrence, H, C<sub>1-6</sub> alkyl substituted with 0-1  $R^{c1}$ , OR<sup>a</sup>, SR<sup>a</sup>, Cl, F, Br, I, =O, CN, NO<sub>2</sub>,  $-NR^{a1}$ ,  $-C(O)R^a$ ,  $-C(O)OR^a$ ,  $-C(O)NR^{a1}$ ,  $-C(S)NR^{a1}$ ,  $-NR^aC(O)NR^{a1}$ ,  $-OC(O)NR^{a1}$ ,  $-NR^aC(O)OR^a$ ,  $-S(O)_2NR^{a1}$ ,  $-NR^aS(O)_2R^{a3}$ ,  $-NR^aS(O)_2NR^{a1}$ ,  $-OS(O)_2NR^{a1}$ ,  $-S(O)_pR^{a3}$ , CF<sub>3</sub>, CF<sub>2</sub>CF<sub>3</sub>, CHF<sub>2</sub>, CH<sub>2</sub>F, or phenyl;

$R^c$  is, independently at each occurrence, H, OR<sup>a</sup>, Cl, F, Br, I, =O, CN, NO<sub>2</sub>, CF<sub>3</sub>, CF<sub>2</sub>CF<sub>3</sub>, CH<sub>2</sub>F, CHF<sub>2</sub>,  $-(CR^{a1})_rNR^{a1}$ ,  $-(CR^{a1})_rC(=NCN)NR^{a1}$ ,  $-(CR^{a1})_rC(=NR^a)NR^{a1}$ ,  $-(CR^{a1})_rC(=NOR^a)NR^{a1}$ ,  $-(CR^{a1})_rC(O)NR^{a1}$ ,  $-(CR^{a1})_rC(O)R^a$ ,  $-(CR^{a1})_rC(O)OR^a$ ,  $-(CR^{a1})_rC(S)OR^a$ ,  $-(CR^{a1})_rC(O)NR^{a1}$ ,  $-(CR^{a1})_rNR^aC(O)R^a$ ,  $-(CR^{a1})_rC(S)NR^{a1}$ ,  $-(CR^{a1})_rOC(O)NR^{a1}$ ,  $-(CR^{a1})_rNR^aC(O)OR^a$ ,  $-(CR^{a1})_rNR^aC(O)NR^{a1}$ ,  $-(CR^{a1})_rS(O)_pR^{a3}$ ,

$-(\text{CR}^a\text{Ra}^1)_r\text{SO}_2\text{NR}^a\text{Ra}^1$ ,  $-(\text{CR}^a\text{Ra}^1)_r\text{NR}^a\text{SO}_2\text{Ra}^3$ ,  $-(\text{CR}^a\text{Ra}^1)_r\text{NR}^a\text{SO}_2\text{NR}^a\text{Ra}^1$ ,  $\text{C}_{1-6}$  alkyl substituted with 0-2  $\text{R}^{\text{c}1}$ ,  $\text{C}_{2-6}$  alkenyl substituted with 0-2  $\text{R}^{\text{c}1}$ ,  $\text{C}_{2-6}$  alkynyl substituted with 0-2  $\text{R}^{\text{c}1}$ ,  $-(\text{CR}^a\text{Ra}^1)_r\text{C}_{3-10}$  carbocycle substituted with 0-2  $\text{R}^{\text{c}1}$ , or  $-(\text{CR}^a\text{Ra}^1)_r\text{5-14}$  membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and  $\text{S}(\text{O})_p$ , and substituted with 0-2  $\text{R}^{\text{c}1}$ ;

alternatively, when two  $\text{R}^{\text{c}}$  groups are attached to the same carbon atom, they form a 3-8 membered carbocyclic or heterocyclic spiro ring C substituted with 0-2  $\text{R}^{\text{c}1}$  and consisting of carbon atoms, 0-4 ring heteroatoms selected from O, N, and  $\text{S}(\text{O})_p$ , and 0-2 double bonds, provided that ring C contains other than a S-S, O-O, or S-O bond;

alternatively, when two  $\text{R}^{\text{c}}$  groups are attached to adjacent carbon atoms, together with the carbon atoms to which they are attached they form a 5-7 membered carbocyclic or heterocyclic ring D substituted with 0-2  $\text{R}^{\text{c}1}$  and consisting of: carbon atoms and 0-2 heteroatoms selected from N, O, and  $\text{S}(\text{O})_p$ ;

$\text{R}^{\text{c}1}$  is, independently at each occurrence, H,  $\text{C}_{1-4}$  alkyl,  $\text{OR}^a$ , Cl, F, Br, I, =O,  $\text{CF}_3$ , CN,  $\text{NO}_2$ ,  $-\text{C}(\text{O})\text{R}^a$ ,  $-\text{C}(\text{O})\text{OR}^a$ ,  $-\text{C}(\text{O})\text{NR}^a\text{Ra}^a$ , or  $-\text{S}(\text{O})_p\text{Ra}^a$ ;

$\text{R}^{\text{d}}$  is, independently at each occurrence,  $\text{C}_{1-6}$  alkyl,  $\text{OR}^a$ , Cl, F, Br, I, =O, CN,  $\text{NO}_2$ ,  $-\text{NR}^a\text{Ra}^1$ ,  $-\text{C}(\text{O})\text{R}^a$ ,  $-\text{C}(\text{O})\text{OR}^a$ ,  $-\text{C}(\text{O})\text{NR}^a\text{Ra}^1$ ,  $-\text{C}(\text{O})\text{NR}^a\text{OR}^a$ ,  $-\text{C}(\text{S})\text{NR}^a\text{Ra}^1$ ,  $-\text{NR}^a\text{C}(\text{O})\text{NR}^a\text{Ra}^1$ ,  $-\text{OC}(\text{O})\text{NR}^a\text{Ra}^1$ ,  $-\text{NR}^a\text{C}(\text{O})\text{OR}^a$ ,  $-\text{S}(\text{O})_2\text{NR}^a\text{Ra}^1$ ,  $-\text{NR}^a\text{S}(\text{O})_2\text{Ra}^3$ ,  $-\text{NR}^a\text{S}(\text{O})_2\text{NR}^a\text{Ra}^1$ ,  $-\text{OS}(\text{O})_2\text{NR}^a\text{Ra}^1$ ,  $-\text{S}(\text{O})_p\text{Ra}^3$ ,  $\text{CF}_3$ ,  $\text{CF}_2\text{CF}_3$ ,  $\text{C}_{3-10}$  carbocycle, or a 5-14 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and  $\text{S}(\text{O})_p$ ;

$\text{R}^5$  is, independently at each occurrence,  $\text{C}_{1-10}$  alkyl substituted with 0-2  $\text{R}^{\text{b}}$ , or  $\text{C}_{1-8}$  alkyl substituted with 0-2  $\text{R}^{\text{e}}$ ;

$\text{R}^{\text{e}}$  is phenyl substituted with 0-2  $\text{R}^{\text{b}}$ , or biphenyl substituted with 0-2  $\text{R}^{\text{b}}$ ;

$\text{R}^6$  is, phenyl, naphthyl,  $\text{C}_{1-10}$  alkyl-phenyl- $\text{C}_{1-6}$  alkyl-,  $\text{C}_{3-11}$  cycloalkyl,  $\text{C}_{1-6}$  alkylcarbonyloxy- $\text{C}_{1-3}$  alkyl-,  $\text{C}_{1-6}$  alkoxycarbonyloxy- $\text{C}_{1-3}$  alkyl-,  $\text{C}_{2-10}$  alkoxycarbonyl,  $\text{C}_{3-6}$  cycloalkylcarbonyloxy- $\text{C}_{1-3}$  alkyl-,  $\text{C}_{3-6}$  cycloalkoxycarbonyloxy- $\text{C}_{1-3}$  alkyl-,  $\text{C}_{3-6}$  cycloalkoxycarbonyl, phenoxycarbonyl, phenyloxycarbonyloxy- $\text{C}_{1-3}$  alkyl-, phenylcarbonyloxy- $\text{C}_{1-3}$  alkyl-,

C<sub>1-6</sub> alkoxy-C<sub>1-6</sub> alkylcarbonyloxy-C<sub>1-3</sub> alkyl-,  
[5-(C<sub>1</sub>-C<sub>5</sub> alkyl)-1,3-dioxo-cyclopenten-2-one-yl]methyl,  
[5-(R<sup>a</sup>)-1,3-dioxo-cyclopenten-2-one-yl]methyl,  
(5-aryl-1,3-dioxo-cyclopenten-2-one-yl)methyl, -C<sub>1-10</sub> alkyl-NR<sup>7</sup>R<sup>7a</sup>, -CH(R<sup>8</sup>)OC(=O)R<sup>9</sup>,  
or -CH(R<sup>8</sup>)OC(=O)OR<sup>9</sup>;

R<sup>7</sup> is H, C<sub>1-10</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>3-6</sub> cycloalkyl-C<sub>1-3</sub> alkyl-, or phenyl-C<sub>1-6</sub> alkyl-;

R<sup>7a</sup> is H, C<sub>1-10</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>3-6</sub> cycloalkyl-C<sub>1-3</sub> alkyl-, or  
phenyl-C<sub>1-6</sub> alkyl-;

R<sup>8</sup> is H or C<sub>1-4</sub> linear alkyl;

R<sup>9</sup> is H, C<sub>1-8</sub> alkyl substituted with 1-2 R<sup>f</sup>, C<sub>3-8</sub> cycloalkyl substituted with 1-2 R<sup>f</sup>, or  
phenyl substituted with 0-2 R<sup>b</sup>;

R<sup>f</sup> is, independently at each occurrence, C<sub>1-4</sub> alkyl, C<sub>3-8</sub> cycloalkyl,  
C<sub>1-5</sub> alkoxy, or phenyl substituted with 0-2 R<sup>b</sup>;

n is 0 or 1;

p, at each occurrence, is selected from 0, 1, and 2;

r, at each occurrence, is selected from 0, 1, 2, 3, and 4; and

s, at each occurrence, is selected from 0, 1, 2, 3, and 4.

2. (Original) A compound according to Claim 1, wherein:

U is absent or is O, NR<sup>a1</sup>, C(O), CR<sup>a</sup>(OH), C(O)O, OC(O), C(O)NR<sup>a1</sup>, NR<sup>a1</sup>C(O),  
S(O)<sub>p</sub>, S(O)<sub>p</sub>NR<sup>a1</sup>, or NR<sup>a1</sup>S(O)<sub>p</sub>;

X is absent or is C<sub>1-3</sub> alkylene or C<sub>3-4</sub> alkynylene;

Y is absent or is O, NR<sup>a1</sup>, S(O)<sub>p</sub>, or C(O);

Z is a C<sub>5-10</sub> carbocycle substituted with 1-3 R<sup>b</sup>, or a 5-10 membered heterocycle  
consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and S(O)<sub>p</sub>, and  
substituted with 1-3 R<sup>b</sup>;

Z<sup>a</sup> is H, C<sub>3-13</sub> carbocycle substituted with 1-3 R<sup>c</sup>, or a 5-14 membered heterocycle  
consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and S(O)<sub>p</sub>, and  
substituted with 1-3 R<sup>c</sup>;

provided that U, Y, Z, and Z<sup>a</sup> do not combine to form a N-N, N-O, O-N, O-O, S(O)<sub>p</sub>-O, O-S(O)<sub>p</sub>, or S(O)<sub>p</sub>-S(O)<sub>p</sub> group;

R<sup>1</sup> is Q, C<sub>1-6</sub> alkylene-Q, C<sub>2-6</sub> alkenylene-Q, C<sub>2-6</sub> alkynylene-Q, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>O(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>NR<sup>a</sup>(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>C(O)(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>C(O)O(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>OC(O)(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>C(O)NR<sup>a</sup>R<sup>al</sup>, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>C(O)NR<sup>a</sup>(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>NR<sup>a</sup>C(O)(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>OC(O)O(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>OC(O)NR<sup>a</sup>(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>NR<sup>a</sup>C(O)O(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>S(O)<sub>p</sub>(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>SO<sub>2</sub>NR<sup>a</sup>(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q, or -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>NR<sup>a</sup>SO<sub>2</sub>(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q;

Q is, independently at each occurrence, H, CHF<sub>2</sub>, CH<sub>2</sub>F, CF<sub>3</sub>, a C<sub>3-13</sub> carbocycle substituted with 0-3 R<sup>d</sup>, or a 5-14 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and S(O)<sub>p</sub>, and substituted with 0-3 R<sup>d</sup>;

R<sup>2</sup> is Q<sup>1</sup>, C<sub>1-6</sub> alkylene-Q<sup>1</sup>, C<sub>2-6</sub> alkenylene-Q<sup>1</sup>, C<sub>2-6</sub> alkynylene-Q<sup>1</sup>, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>O(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q<sup>1</sup>, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>NR<sup>a</sup>(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q<sup>1</sup>, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>C(O)(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q<sup>1</sup>, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>C(O)O(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q<sup>1</sup>, or -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>C(O)NR<sup>a</sup>(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q<sup>1</sup>;

Q<sup>1</sup> is, independently at each occurrence, H, a C<sub>3-10</sub> carbocycle substituted with 0-3 R<sup>d</sup>, or a 5-10 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and S(O)<sub>p</sub>, and substituted with 0-3 R<sup>d</sup>;

alternatively, R<sup>1</sup> and R<sup>2</sup>, when attached to the same carbon atom, combine to form a 5-6 membered carbocyclic or heterocyclic ring consisting of: carbon atoms and 0-3 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2 R<sup>d</sup>;

R<sup>3</sup> is Q, C<sub>1-6</sub> alkylene-Q, C<sub>2-6</sub> alkenylene-Q, C<sub>2-6</sub> alkynylene-Q, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>O(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>NR<sup>a</sup>(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>C(O)(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>C(O)O(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>C(O)NR<sup>a</sup>R<sup>al</sup>, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>C(O)NR<sup>a</sup>(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>NR<sup>a</sup>C(O)(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>OC(O)NR<sup>a</sup>(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>NR<sup>a</sup>C(O)O(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>NR<sup>a</sup>C(O)NR<sup>a</sup>(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>S(O)<sub>p</sub>(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>al</sup>)<sub>r</sub>SO<sub>2</sub>NR<sup>a</sup>(CR<sup>a</sup>R<sup>al</sup>)<sub>s</sub>-Q,

$-(\text{CR}^a\text{R}^{a1})_r\text{NR}^a\text{SO}_2(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ , or  $-(\text{CR}^a\text{R}^{a1})_r\text{NR}^a\text{SO}_2\text{NR}^a(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ;

alternatively,  $\text{R}^1$  and  $\text{R}^3$  combine, along with the carbon atom to which they are attached, to form a 4-7 membered carbocyclic or heterocyclic ring consisting of: carbon atoms and 0-3 heteroatoms selected from the group consisting of N, O, and  $\text{S}(\text{O})_p$  and substituted with 0-2  $\text{R}^d$ ;

alternatively, when  $\text{R}^1$  and  $\text{R}^3$  combine to form a carbocyclic or heterocyclic ring, the  $\text{R}^2$  and  $\text{R}^4$  combine to form a double bond;

$\text{R}^4$  is  $\text{Q}^1$ ,  $\text{C}_{1-6}$  alkylene- $\text{Q}^1$ ,  $\text{C}_{2-6}$  alkenylene- $\text{Q}^1$ ,  $\text{C}_{2-6}$  alkynylene- $\text{Q}^1$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{O}(\text{CR}^a\text{R}^{a1})_s\text{-Q}^1$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{NR}^a(\text{CR}^a\text{R}^{a1})_s\text{-Q}^1$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{C}(\text{O})(\text{CR}^a\text{R}^{a1})_s\text{-Q}^1$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{C}(\text{O})\text{O}(\text{CR}^a\text{R}^{a1})_s\text{-Q}^1$ , or  $-(\text{CR}^a\text{R}^{a1})_r\text{C}(\text{O})\text{NR}^a(\text{CR}^a\text{R}^{a1})_s\text{-Q}^1$ ;

alternatively,  $\text{R}^3$  and  $\text{R}^4$  combine, along with the carbon atom to which they are attached, to form a 4-7 membered carbocyclic or heterocyclic ring consisting of: carbon atoms and 0-3 heteroatoms selected from the group consisting of N, O, and  $\text{S}(\text{O})_p$  and substituted with 0-2  $\text{R}^d$ ;

$\text{R}^{4a}$  is Q,  $\text{C}_{1-6}$  alkylene-Q,  $\text{C}_{2-6}$  alkenylene-Q,  $\text{C}_{2-6}$  alkynylene-Q,  $-(\text{CR}^a\text{R}^{a1})_r\text{O}(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{NR}^a(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{C}(\text{O})(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{C}(\text{O})\text{O}(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{C}(\text{O})\text{NR}^a\text{R}^{a1}$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{C}(\text{O})\text{NR}^a\text{OR}^a$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{C}(\text{O})\text{NR}^a(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{NR}^a\text{C}(\text{O})(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ , or  $-(\text{CR}^a\text{R}^{a1})_r\text{SO}_2\text{NR}^a(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ;

alternatively,  $\text{R}^1$  and  $\text{R}^{4a}$  in Formula I combine, along with the carbon atoms to which they are attached, to form a 4-7 membered carbocyclic or heterocyclic ring consisting of: carbon atoms and 0-3 heteroatoms selected from the group consisting of N, O, and  $\text{S}(\text{O})_p$  and substituted with 0-3  $\text{R}^d$ , provided that n is 0;

alternatively,  $\text{R}^3$  and  $\text{R}^{4a}$  in Formula I combine, along with the carbon atoms to which they are attached, to form a 4-7 membered carbocyclic or heterocyclic ring consisting of: carbon atoms and 0-3 heteroatoms selected from the group consisting of N, O, and  $\text{S}(\text{O})_p$  and substituted with 0-2  $\text{R}^d$ ;

$\text{R}^a$  is, independently at each occurrence, H,  $\text{C}_{1-6}$  alkyl, phenyl, or benzyl;



$R^{a1}$  is, independently at each occurrence, H,  $C_{1-6}$  alkyl,  $C_{2-6}$  alkenyl,  $C_{2-6}$  alkynyl, or  $-(CH_2)_r$ -3-8 membered carbocyclic or heterocyclic ring consisting of carbon atoms and 0-2 ring heteroatoms selected from N,  $NR^{a2}$ , O, and  $S(O)_p$ ;

alternatively,  $R^a$  and  $R^{a1}$  when attached to a nitrogen, together with the nitrogen to which they are attached, combine to form a 5 or 6 membered heterocycle consisting of carbon atoms and from 0-1 additional heteroatoms selected from N,  $NR^{a2}$ , O, and  $S(O)_p$ ;

$R^c$  is, independently at each occurrence, H,  $OR^a$ , Cl, F, Br, =O, CN,  $NO_2$ ,  $CF_3$ ,  $CH_2F$ ,  $CHF_2$ ,  $CF_2CF_3$ ,  $-(CR^aR^{a1})_rNR^{a1}$ ,  $-(CR^aR^{a1})_rC(O)R^{a1}$ ,  $-(CR^aR^{a1})_rC(O)OR^{a1}$ ,  $-(CR^aR^{a1})_rC(O)NR^{a1}$ ,  $-(CR^aR^{a1})_rNR^aC(O)R^{a1}$ ,  $-(CR^aR^{a1})_rS(O)_pR^{a3}$ ,  $-(CR^aR^{a1})_rSO_2NR^{a1}$ ,  $-(CR^aR^{a1})_rNR^aSO_2R^{a3}$ ,  $C_{1-6}$  alkyl substituted with 0-1  $R^{c1}$ ,  $C_{2-6}$  alkenyl substituted with 0-1  $R^{c1}$ ,  $C_{2-6}$  alkynyl substituted with 0-1  $R^{c1}$ ,  $-(CH_2)_r$ - $C_{3-6}$  carbocycle substituted with 0-2  $R^{c1}$ , or  $-(CH_2)_r$ -5-6 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and  $S(O)_p$ , and substituted with 0-2  $R^{c1}$ ;

alternatively, when two  $R^c$  groups are attached to the same carbon atom, they form a 3-8 membered carbocyclic or heterocyclic spiro ring C substituted with 0-2  $R^{c1}$  and consisting of carbon atoms, 0-4 ring heteroatoms selected from O, N, and  $S(O)_p$ , and 0-2 double bonds, provided that ring C contains other than a S-S, O-O, or S-O bond;

alternatively, when two  $R^c$  groups are attached to adjacent carbon atoms, together with the carbon atoms to which they are attached they form a 5-7 membered carbocyclic or heterocyclic ring D substituted with 0-2  $R^{c1}$  and consisting of: carbon atoms and 0-2 heteroatoms selected from N, O, and  $S(O)_p$ ;

$R^d$  is, independently at each occurrence,  $C_{1-6}$  alkyl,  $OR^a$ , Cl, F, Br, =O, CN,  $NO_2$ ,  $-NR^aR^{a1}$ ,  $-C(O)R^a$ ,  $-C(O)OR^a$ ,  $-C(O)NR^aR^{a1}$ ,  $-S(O)_2NR^aR^{a1}$ ,  $-NR^aS(O)_2R^{a3}$ ,  $-S(O)_pR^{a3}$ ,  $CF_3$ ,  $C_{3-6}$  carbocycle, or a 5-6 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and  $S(O)_p$ ;

$R^5$  is, independently at each occurrence,  $C_{1-6}$  alkyl substituted with 0-2  $R^b$ , or  $C_{1-4}$  alkyl substituted with 0-2  $R^e$ ; and

$R^f$  is, independently at each occurrence,  $C_{1-4}$  alkyl,  $C_{3-6}$  cycloalkyl,  $C_{1-5}$  alkoxy, or phenyl substituted with 0-2  $R^b$ .

3. (Original) A compound according to Claim 2, wherein:

A is  $-C(O)NHOH$  or  $-N(OH)CHO$ ;

U is absent or is O,  $NR^{a1}$ ,  $C(O)$ ,  $CR^a(OH)$ ,  $C(O)NR^{a1}$ ,  $NR^{a1}C(O)$ ,  $S(O)_p$ ,  $S(O)_pNR^{a1}$ , or  $NR^{a1}S(O)_p$ ;

X is absent or is methylene, ethylene, propynylene, or butynylene;

Z is a  $C_{5-10}$  carbocycle substituted with 1-2  $R^b$ , or a 5-10 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and  $S(O)_p$ , and substituted with 1-2  $R^b$ ;

$Z^a$  is H,  $C_{5-10}$  carbocycle substituted with 1-3  $R^c$ , or a 5-10 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and  $S(O)_p$ , and substituted with 1-3  $R^c$ ;

provided that U, Y, Z, and  $Z^a$  do not combine to form a N-N, N-O, O-N, O-O,  $S(O)_p$ -O, O- $S(O)_p$ , or  $S(O)_p$ - $S(O)_p$  group;

$R^1$  is Q,  $C_{1-6}$  alkylene-Q,  $C_{2-6}$  alkenylene-Q,  $C_{2-6}$  alkynylene-Q,  $-(CR^aR^{a1})_rO(CR^aR^{a1})_s-Q$ ,  $-(CR^aR^{a1})_rNR^a(CR^aR^{a1})_s-Q$ ,  $-(CR^aR^{a1})_rC(O)(CR^aR^{a1})_s-Q$ ,  $-(CR^aR^{a1})_rC(O)O(CR^aR^{a1})_s-Q$ ,  $-(CR^aR^{a1})_rC(O)NR^aR^{a1}$ ,  $-(CR^aR^{a1})_rC(O)NR^a(CR^aR^{a1})_s-Q$ ,  $-(CR^aR^{a1})_rNR^aC(O)(CR^aR^{a1})_s-Q$ ,  $-(CR^aR^{a1})_rOC(O)NR^a(CR^aR^{a1})_s-Q$ ,  $-(CR^aR^{a1})_rNR^aC(O)O(CR^aR^{a1})_s-Q$ ,  $-(CR^aR^{a1})_rS(O)_p(CR^aR^{a1})_s-Q$ ,  $-(CR^aR^{a1})_rSO_2NR^a(CR^aR^{a1})_s-Q$ , or  $-(CR^aR^{a1})_rNR^aSO_2(CR^aR^{a1})_s-Q$ ;

Q is, independently at each occurrence, H, a  $C_{3-8}$  carbocycle substituted with 0-3  $R^d$ , or a 5-10 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and  $S(O)_p$ , and substituted with 0-3  $R^d$ ;

$R^2$  is  $Q^1$ ,  $C_{1-6}$  alkylene- $Q^1$ ,  $C_{2-6}$  alkenylene- $Q^1$ ,  $-(CR^aR^{a1})_rO(CR^aR^{a1})_s-Q^1$ ,  $-(CR^aR^{a1})_rNR^a(CR^aR^{a1})_s-Q^1$ , or  $-(CR^aR^{a1})_rC(O)(CR^aR^{a1})_s-Q^1$ ;

$Q^1$  is, independently at each occurrence, H, a  $C_{5-10}$  carbocycle substituted with 0-2  $R^d$ , or a 5-10 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and  $S(O)_p$ , and substituted with 0-2  $R^d$ ;

$R^3$  is Q,  $C_{1-6}$  alkylene-Q,  $C_{2-6}$  alkenylene-Q,  $C_{2-6}$  alkynylene-Q,  $-(CR^aRa^1)_rO(CR^aRa^1)_s-Q$ ,  $-(CR^aRa^1)_rNR^a(CR^aRa^1)_s-Q$ ,  $-(CR^aRa^1)_rC(O)(CR^aRa^1)_s-Q$ ,  $-(CR^aRa^1)_rNR^aC(O)(CR^aRa^1)_s-Q$ ,  $-(CR^aRa^1)_rNR^aC(O)O(CR^aRa^1)_s-Q$ ,  $-(CR^aRa^1)_rNR^aC(O)NR^a(CR^aRa^1)_s-Q$ ,  $-(CR^aRa^1)_rS(O)_p(CR^aRa^1)_s-Q$ ,  $-(CR^aRa^1)_rSO_2NR^a(CR^aRa^1)_s-Q$ , or  $-(CR^aRa^1)_rNR^aSO_2(CR^aRa^1)_s-Q$ ;

$R^4$  is  $Q^1$ ,  $C_{1-6}$  alkylene- $Q^1$ ,  $C_{2-6}$  alkenylene- $Q^1$ ,  $-(CR^aRa^1)_rO(CR^aRa^1)_s-Q^1$ ,  $-(CR^aRa^1)_rNR^a(CR^aRa^1)_s-Q^1$ , or  $-(CR^aRa^1)_rC(O)(CR^aRa^1)_s-Q^1$ ;

$R^{4a}$  is Q,  $C_{1-4}$  alkylene-Q,  $-(CH_2)_rO(CH_2)_s-Q$ ,  $-(CH_2)_rNR^a(CH_2)_s-Q$ ,  $-(CH_2)_rC(O)(CH_2)_s-Q$ ,  $-(CH_2)_rC(O)O(CH_2)_s-Q$ ,  $-(CH_2)_rC(O)NR^aRa^1$ ,  $-(CH_2)_rC(O)NR^aOR^a$ ,  $-(CH_2)_rC(O)NR^a(CH_2)_s-Q$ ,  $-(CH_2)_rNR^aC(O)(CH_2)_s-Q$ , or  $-(CH_2)_rNR^aC(O)O(CH_2)_s-Q$ ;

$R^{a3}$  is, independently at each occurrence, H,  $C_{1-6}$  alkyl,  $C_{2-6}$  alkenyl, or  $-(CH_2)_{r-3-8}$  membered carbocyclic or heterocyclic ring consisting of carbon atoms and 0-2 ring heteroatoms selected from N,  $NR^{a2}$ , O, and  $S(O)_p$ , and substituted with 0-3  $R^{c1}$ ;

$R^c$  is, independently at each occurrence, H,  $OR^a$ , Cl, F, Br, =O,  $CF_3$ ,  $CH_2F$ ,  $CHF_2$ ,  $-(CR^aRa^1)_rNR^aRa^1$ ,  $-(CR^aRa^1)_rC(O)Ra^1$ ,  $-(CR^aRa^1)_rC(O)OR^a$ ,  $-(CR^aRa^1)_rC(O)NR^aRa^1$ ,  $-(CR^aRa^1)_rNR^aC(O)Ra^1$ ,  $-(CR^aRa^1)_rS(O)_pRa^3$ ,  $-(CR^aRa^1)_rSO_2NR^aRa^1$ ,  $-(CR^aRa^1)_rNR^aSO_2Ra^3$ ,  $C_{1-6}$  alkyl,  $C_{2-6}$  alkenyl,  $C_{2-6}$  alkynyl,  $C_{3-6}$  cycloalkyl substituted with 0-1  $R^{c1}$ , phenyl substituted with 0-2  $R^{c1}$ , or 5-6 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and  $S(O)_p$ , and substituted with 0-2  $R^{c1}$ ;

alternatively, when two  $R^c$  groups are attached to adjacent carbon atoms, together with the carbon atoms to which they are attached they form a 5-7 membered carbocyclic or heterocyclic ring D substituted with 0-2  $R^{c1}$  and consisting of: carbon atoms and 0-2 heteroatoms selected from N, O, and  $S(O)_p$ ;

R<sup>d</sup> is, independently at each occurrence, C<sub>1-6</sub> alkyl, OR<sup>a</sup>, Cl, F, Br, =O, -NR<sup>a</sup>R<sup>a1</sup>, -C(O)R<sup>a</sup>, -C(O)OR<sup>a</sup>, -C(O)NR<sup>a</sup>R<sup>a1</sup>, -S(O)<sub>2</sub>NR<sup>a</sup>R<sup>a1</sup>, -NR<sup>a</sup>S(O)<sub>2</sub>R<sup>a3</sup>, -S(O)<sub>p</sub>R<sup>a3</sup>, CF<sub>3</sub>, or phenyl;

R<sup>5</sup> is, independently at each occurrence, C<sub>1-4</sub> alkyl substituted with 0-2 R<sup>b</sup>, or C<sub>1-4</sub> alkyl substituted with 0-2 R<sup>e</sup>;

r, at each occurrence, is selected from 0, 1, 2, and 3; and

s, at each occurrence, is selected from 0, 1, 2, and 3.

4. (Original) A compound according to Claim 3, wherein:

A is -C(O)NHOH;

Z is phenyl substituted with 1-2 R<sup>b</sup>, naphthyl substituted with 1-2 R<sup>b</sup>, or pyridyl substituted with 1-2 R<sup>b</sup>;

Z<sup>a</sup> is phenyl substituted with 1-3 R<sup>c</sup>, naphthyl substituted with 1-3 R<sup>c</sup>, or a heterocycle substituted with 1-3 R<sup>c</sup> and selected from furanyl, tetrahydrofuranyl, thiazolyl, oxazolyl, imidazolyl, isothiazolyl, isoxazolyl, 4,5-dihydro-isoxazolyl, thienyl, triazolyl, thiadiazolyl, oxadiazolyl, pyridyl, pyrimidinyl, piperazinyl, piperidinyl, pyranyl, pyrazinyl, pyrazolyl, pyridoimidazolyl, pyrrolidinyl, pyrrolyl, indolyl, indolinyl, benzimidazolyl, benzothiazinyl, benzofuranyl, benzothiophenyl, benzoxazolyl, benzthiazolyl, benztriazolyl, benzisoxazolyl, benzisothiazolyl, quinolinyl, tetrahydroquinolinyl, isoquinolinyl, tetrahydro-isoquinolinyl, indazolyl, isobenzofuranyl, isoindazolyl, isoindolinyl, isoindolyl, methylenedioxyphenyl, quinazolinyl, 1,1-dioxido-2,3-dihydro-4H-1,4-benzothiazin-4-yl, 1,1-dioxido-3,4-dihydro-2H-1-benzothiopyran-4-yl, 3,4-dihydro-2H-chomen-4-yl, 2H-chomen-4-yl, and pyrazolo[1,5-a]pyridinyl;

provided that U, Y, Z, and Z<sup>a</sup> do not combine to form a N-N, N-O, O-N, O-O, S(O)<sub>p</sub>-O, O-S(O)<sub>p</sub>, or S(O)<sub>p</sub>-S(O)<sub>p</sub> group;

R<sup>1</sup> is selected from Q, C<sub>1-6</sub> alkylene-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>O(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)O(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)NR<sup>a</sup>R<sup>a1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)NR<sup>a</sup>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>C(O)(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, or -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>C(O)O(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q;

Q is, independently at each occurrence, H, a C<sub>3-6</sub> carbocycle substituted with 0-3 R<sup>d</sup>, or a 5-10 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and S(O)<sub>p</sub>, and substituted with 0-3 R<sup>d</sup>;

R<sup>2</sup> is Q<sup>1</sup> or C<sub>1-6</sub> alkylene-Q<sup>1</sup>;

Q<sup>1</sup> is, independently at each occurrence, H, phenyl substituted with 0-2 R<sup>d</sup>, or a 5-6 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and S(O)<sub>p</sub>, and substituted with 0-2 R<sup>d</sup>;

R<sup>3</sup> is Q, C<sub>1-4</sub> alkylene-Q, C<sub>2-4</sub> alkenylene-Q, C<sub>2-4</sub> alkynylene-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>C(O)(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>C(O)O(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>C(O)NR<sup>a</sup>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>S(O)<sub>p</sub>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>SO<sub>2</sub>NR<sup>a</sup>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, or -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>SO<sub>2</sub>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q;

R<sup>4</sup> is Q<sup>1</sup> or C<sub>1-6</sub> alkylene-Q<sup>1</sup>;

R<sup>4a</sup> is Q, -CH<sub>2</sub>-Q, -CH<sub>2</sub>O(CH<sub>2</sub>)<sub>s</sub>-Q, -CH<sub>2</sub>NR<sup>a</sup>(CH<sub>2</sub>)<sub>s</sub>-Q, -CH<sub>2</sub>C(O)(CH<sub>2</sub>)<sub>s</sub>-Q, -CH<sub>2</sub>C(O)O(CH<sub>2</sub>)<sub>s</sub>-Q, -CH<sub>2</sub>C(O)NR<sup>a</sup>R<sup>a1</sup>, -(CH<sub>2</sub>)<sub>r</sub>C(O)NR<sup>a</sup>OR<sup>a</sup>, -CH<sub>2</sub>C(O)NR<sup>a</sup>(CH<sub>2</sub>)<sub>s</sub>-Q, -CH<sub>2</sub>NR<sup>a</sup>C(O)(CH<sub>2</sub>)<sub>s</sub>-Q, or -CH<sub>2</sub>NR<sup>a</sup>C(O)O(CH<sub>2</sub>)<sub>s</sub>-Q;

R<sup>a1</sup> is, independently at each occurrence, H, C<sub>1-6</sub> alkyl, phenyl, or benzyl;

R<sup>a3</sup> is, independently at each occurrence, H, C<sub>1-6</sub> alkyl, phenyl, or benzyl;

R<sup>c</sup> is, independently at each occurrence, H, OR<sup>a</sup>, Cl, F, Br, =O, CF<sub>3</sub>, CH<sub>2</sub>F, CHF<sub>2</sub>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>R<sup>a1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)R<sup>a1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)OR<sup>a1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)NR<sup>a</sup>R<sup>a1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>C(O)R<sup>a1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>S(O)<sub>p</sub>R<sup>a3</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>SO<sub>2</sub>NR<sup>a</sup>R<sup>a1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>SO<sub>2</sub>R<sup>a3</sup>, C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, phenyl substituted with 0-2 R<sup>c1</sup>, or 5-6 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and S(O)<sub>p</sub>, and substituted with 0-2 R<sup>c1</sup>; and

alternatively, when two R<sup>c</sup> groups are attached to adjacent carbon atoms, together with the carbon atoms to which they are attached they form a 5-6 membered carbocyclic or heterocyclic ring D substituted with 0-2 R<sup>c1</sup> and consisting of: carbon atoms and 0-2 heteroatoms selected from N, O, and S(O)<sub>p</sub>.

5. (Original) A compound according to Claim 4, wherein:

U is absent or is O,  $\text{NR}^{\text{a1}}$ ,  $\text{C}(\text{O})$ ,  $\text{CR}^{\text{a}}(\text{OH})$ ,  $\text{C}(\text{O})\text{NR}^{\text{a1}}$ , or  $\text{NR}^{\text{a1}}\text{C}(\text{O})$ ;

X is absent or is methylene or butynylene;

Y is absent or is O;

Z is phenyl substituted with 1-2  $\text{R}^{\text{b}}$ ;

$\text{Z}^{\text{a}}$  is naphthyl substituted with 1-3  $\text{R}^{\text{c}}$ , or a heterocycle substituted with 1-3  $\text{R}^{\text{c}}$  and selected from furanyl, tetrahydrofuranyl, thiazolyl, oxazolyl, imidazolyl, isothiazolyl, isoxazolyl, 4,5-dihydro-isoxazolyl, thienyl, triazolyl, thiadiazolyl, oxadiazolyl, pyridyl, pyrimidinyl, pyranyl, pyrazinyl, pyrazolyl, pyridoimidazolyl, pyrrolidinyl, pyrrolyl, quinolinyl, tetrahydroquinolinyl, isoquinolinyl, tetrahydro-isoquinolinyl, imidazolyl, benzimidazolyl, benzothiazinyl, benzofuranyl, benzothiophenyl, benzoxazolyl, benzthiazolyl, benztriazolyl, benzisoxazolyl, benzisothiazolyl, indolyl, indolinyl, indazolyl, isobenzofuranyl, isoindazolyl, isoindolinyl, isoindolyl, quinazolinyl, 1,1-dioxido-2,3-dihydro-4*H*-1,4-benzothiazin-4-yl, 1,1'-dioxido-3,4-dihydro-2*H*-1-benzothiopyran-4-yl, 3,4-dihydro-2*H*-chomen-4-yl, 2*H*-chomen-4-yl, and pyrazolo[1,5-*a*]pyridinyl;

provided that U, Y, Z, and  $\text{Z}^{\text{a}}$  do not combine to form a N-N, N-O, O-N, O-O,  $\text{S}(\text{O})_{\text{p}}\text{-O}$ ,  $\text{O-S}(\text{O})_{\text{p}}$ , or  $\text{S}(\text{O})_{\text{p}}\text{-S}(\text{O})_{\text{p}}$  group;

$\text{R}^1$  is Q,  $\text{C}_{1-6}$  alkylene-Q,  $-(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{r}}\text{NR}^{\text{a}}(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{s}}\text{-Q}$ , or  $-(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{r}}\text{NR}^{\text{a}}\text{C}(\text{O})\text{O}(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{s}}\text{-Q}$ ;

Q is, independently at each occurrence, H, a  $\text{C}_{3-6}$  carbocycle substituted with 0-3  $\text{R}^{\text{d}}$ , or a 5-6 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and  $\text{S}(\text{O})_{\text{p}}$ , and substituted with 0-3  $\text{R}^{\text{d}}$ ;

$\text{R}^2$  is H or  $\text{C}_{1-6}$  alkylene- $\text{Q}^1$ ;

$\text{R}^3$  is Q,  $\text{C}_{1-4}$  alkylene-Q,  $\text{C}_{2-4}$  alkenylene-Q,  $\text{C}_{2-4}$  alkynylene-Q,  $-(\text{CH}_2)_{\text{r}}\text{NR}^{\text{a}}(\text{CH}_2)_{\text{s}}\text{-Q}$ ,  $-(\text{CH}_2)_{\text{r}}\text{NR}^{\text{a}}\text{C}(\text{O})(\text{CH}_2)_{\text{s}}\text{-Q}$ ,  $-(\text{CH}_2)_{\text{r}}\text{NR}^{\text{a}}\text{C}(\text{O})\text{O}(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{s}}\text{-Q}$ ,  $-(\text{CH}_2)_{\text{r}}\text{NR}^{\text{a}}\text{C}(\text{O})\text{NR}^{\text{a}}(\text{CH}_2)_{\text{s}}\text{-Q}$ ,  $-(\text{CH}_2)_{\text{r}}\text{S}(\text{O})_{\text{p}}(\text{CH}_2)_{\text{s}}\text{-Q}$ , or  $-(\text{CH}_2)_{\text{r}}\text{NR}^{\text{a}}\text{SO}_2(\text{CH}_2)_{\text{s}}\text{-Q}$ ;

$\text{R}^4$  is H or  $\text{C}_{1-6}$  alkylene- $\text{Q}^1$ ;

$\text{R}^{4\text{a}}$  is Q,  $-\text{CH}_2\text{-Q}$ ,  $-\text{CH}_2\text{O-Q}$ ,  $-\text{CH}_2\text{NR}^{\text{a}}\text{-Q}$ ,  $-\text{CH}_2\text{C}(\text{O})_{\text{s}}\text{-Q}$ ,  $-\text{CH}_2\text{C}(\text{O})\text{O-Q}$ ,

$-\text{CH}_2\text{C}(\text{O})\text{NR}^a\text{R}^{a1}$ ,  $-\text{C}(\text{O})\text{NR}^a\text{OR}^a$ ,  $-\text{CH}_2\text{C}(\text{O})\text{NR}^a\text{-Q}$ , or  $-\text{CH}_2\text{NR}^a\text{C}(\text{O})\text{O-Q}$ ;

$\text{R}^a$  is, independently at each occurrence, H, or  $\text{C}_{1-4}$  alkyl;

$\text{R}^{a1}$  is, independently at each occurrence, H, or  $\text{C}_{1-4}$  alkyl;

$\text{R}^{a3}$  is, independently at each occurrence, H,  $\text{C}_{1-4}$  alkyl, phenyl, or benzyl;

$\text{R}^c$  is, independently at each occurrence,  $\text{C}_{1-6}$  alkyl,  $\text{C}_{2-6}$  alkenyl,

$\text{C}_{2-6}$  alkynyl,  $\text{OR}^a$ , Cl, F, Br, =O,  $\text{CF}_3$ ,  $\text{CH}_2\text{F}$ ,  $\text{CHF}_2$ ,  $-\text{NR}^a\text{R}^{a1}$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{C}(\text{O})\text{R}^{a1}$ ,

$-(\text{CR}^a\text{R}^{a1})_r\text{C}(\text{O})\text{OR}^{a1}$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{C}(\text{O})\text{NR}^a\text{R}^{a1}$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{NR}^a\text{C}(\text{O})\text{R}^{a1}$ ,

$-(\text{CR}^a\text{R}^{a1})_r\text{S}(\text{O})_p\text{R}^{a3}$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{SO}_2\text{NR}^a\text{R}^{a1}$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{NR}^a\text{SO}_2\text{R}^{a3}$ , or phenyl; and

alternatively, when two  $\text{R}^c$  groups are attached to adjacent carbon atoms, together with the carbon atoms to which they are attached they form a 5-6 membered carbocyclic or heterocyclic ring D substituted with 0-1  $\text{R}^{c1}$  and consisting of: carbon atoms and 0-2 heteroatoms selected from N, O, and  $\text{S}(\text{O})_p$ .

6. (Original) A compound according to Claim 5, wherein:

U is absent or is O,  $\text{NR}^{a1}$ ,  $\text{C}(\text{O})$ , or  $\text{CR}^a(\text{OH})$ ;

Y is absent;

$\text{R}^1$  is H,  $\text{C}_{1-4}$  alkylene-Q,  $-(\text{CH}_2)_r\text{NR}^a(\text{CH}_2)_s\text{-Q}$ , or

$-(\text{CH}_2)_r\text{NR}^a\text{C}(\text{O})\text{O}(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ;

$\text{R}^2$  is H,  $\text{CH}_3$ ,  $\text{CH}_2\text{CH}_3$ ,  $\text{CH}_2\text{CH}_2\text{CH}_3$ , or  $\text{CH}(\text{CH}_3)_2$ ;

$\text{R}^3$  is Q,  $\text{C}_{1-4}$  alkylene-Q,  $-(\text{CH}_2)_r\text{NR}^a(\text{CH}_2)_s\text{-Q}$ ,  $-(\text{CH}_2)_r\text{NR}^a\text{C}(\text{O})(\text{CH}_2)_s\text{-Q}$ ,

$-(\text{CH}_2)_r\text{NR}^a\text{C}(\text{O})\text{O}(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ,  $-(\text{CH}_2)_r\text{NR}^a\text{C}(\text{O})\text{NR}^a(\text{CH}_2)_s\text{-Q}$ ,  $-(\text{CH}_2)_r\text{S}(\text{CH}_2)_s\text{-Q}$ , or

$-(\text{CH}_2)_r\text{NR}^a\text{SO}_2(\text{CH}_2)_s\text{-Q}$ ;

$\text{R}^4$  is H,  $\text{CH}_3$ ,  $\text{CH}_2\text{CH}_3$ ,  $\text{CH}_2\text{CH}_2\text{CH}_3$ , or  $\text{CH}(\text{CH}_3)_2$ ;

$\text{R}^{4a}$  is Q,  $-\text{CH}_2\text{-Q}$ ,  $-\text{CH}_2\text{O-Q}$ ,  $-\text{CH}_2\text{NR}^a\text{-Q}$ ,  $-\text{CH}_2\text{C}(\text{O})_s\text{-Q}$ ,  $-\text{CH}_2\text{C}(\text{O})\text{O-Q}$ ,

$-\text{CH}_2\text{C}(\text{O})\text{NR}^a\text{R}^{a1}$ ,  $-\text{C}(\text{O})\text{NR}^a\text{OR}^a$ , or  $-\text{CH}_2\text{C}(\text{O})\text{NR}^a\text{-Q}$ ;

r, at each occurrence, is selected from 0, 1, and 2; and

s, at each occurrence, is selected from 0, 1, and 2.

7. (Original) A compound according to Claim 6, wherein:

U is O, NR<sup>a1</sup>, or CR<sup>a</sup>(OH);

Z<sup>a</sup> is naphthyl substituted with 1-3 R<sup>c</sup>, or a heterocycle substituted with 1-3 R<sup>c</sup> and selected from pyridyl, quinolinyl, imidazolyl, benzimidazolyl, indolyl, 1,1-dioxido-2,3-dihydro-4*H*-1,4-benzothiazin-4-yl, 1,1-dioxido-3,4-dihydro-2*H*-1-benzothiopyran-4-yl, 3,4-dihydro-2*H*-chomen-4-yl, 2*H*-chomen-4-yl, pyrazolyl, and pyrazolo[1,5-*a*]pyridinyl;

R<sup>1</sup> is H, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, NH<sub>2</sub>, or -NHC(O)OC(CH<sub>3</sub>)<sub>3</sub>;

R<sup>2</sup> is H or CH<sub>3</sub>;

R<sup>3</sup> is Q, C<sub>1-4</sub> alkylene-Q, -NR<sup>a</sup>(CH<sub>2</sub>)<sub>s</sub>-Q, -NR<sup>a</sup>C(O)(CH<sub>2</sub>)<sub>s</sub>-Q, -NR<sup>a</sup>C(O)O(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -NR<sup>a</sup>C(O)NR<sup>a</sup>(CH<sub>2</sub>)<sub>s</sub>-Q, -S(CH<sub>2</sub>)<sub>s</sub>-Q, or -NR<sup>a</sup>SO<sub>2</sub>(CH<sub>2</sub>)<sub>s</sub>-Q;

R<sup>4a</sup> is Q, -CH<sub>2</sub>-Q, -CH<sub>2</sub>O-Q, -CH<sub>2</sub>NR<sup>a</sup>-Q, or -C(O)NR<sup>a</sup>OR<sup>a</sup>;

Q is, independently at each occurrence, H, phenyl substituted with 0-3 R<sup>d</sup>, or a 5-6 membered heterocycle consisting of carbon atoms and 1-2 heteroatoms selected from N, O, and S(O)<sub>p</sub>, and substituted with 0-3 R<sup>d</sup>;

R<sup>b</sup> is, independently at each occurrence, H, C<sub>1-6</sub> alkyl, OR<sup>a</sup>, Cl, F, Br, -NR<sup>a</sup>R<sup>a1</sup>, -C(O)R<sup>a</sup>, -C(O)OR<sup>a</sup>, -C(O)NR<sup>a</sup>R<sup>a1</sup>, -S(O)<sub>2</sub>NR<sup>a</sup>R<sup>a1</sup>, -NR<sup>a</sup>S(O)<sub>2</sub>R<sup>a3</sup>, -S(O)<sub>p</sub>R<sup>a3</sup>, or CF<sub>3</sub>;

R<sup>c</sup> is, independently at each occurrence, C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, OR<sup>a</sup>, Cl, F, Br, =O, CF<sub>3</sub>, -NR<sup>a</sup>R<sup>a1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)R<sup>a1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)OR<sup>a1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)NR<sup>a</sup>R<sup>a1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>C(O)R<sup>a1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>S(O)<sub>p</sub>R<sup>a3</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>SO<sub>2</sub>NR<sup>a</sup>R<sup>a1</sup>, or -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>SO<sub>2</sub>R<sup>a3</sup>; and

alternatively, when two R<sup>c</sup> groups are attached to adjacent carbon atoms, together with the carbon atoms to which they are attached they form a 5-6 membered saturated ring consisting of: carbon atoms and 0-1 heteroatoms selected from N, O, and S(O)<sub>p</sub>.

8. (Original) A compound according to Claim 1, wherein the compound is selected from the group:

N-hydroxy-2-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-acetamide;



N-hydroxy-2-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-propionamide;

N-hydroxy-2-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-5-morpholin-4-ylmethyl-4,5-dihydro-isoxazol-5-yl}-acetamide;

N-hydroxy-2-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-5-piperazin-1-ylmethyl-4,5-dihydro-isoxazol-5-yl}-acetamide;

2-{5-dimethylaminomethyl-3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-N-hydroxy-acetamide;

N-hydroxy-3-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-propionamide;

N-hydroxy-3-methyl-3-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-butyramide;

(1-hydroxycarbamoyl-2-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-ethyl)-carbamic acid tert-butyl ester;

2-amino-N-hydroxy-3-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-propionamide;

3-amino-N-hydroxy-3-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-propionamide;

N-hydroxy-3-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-3-methylsulfanyl-propionamide;

N-hydroxy-3-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-3-morpholin-4-yl-propionamide;

3-amino-N-hydroxy-3-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-butyramide;

furan-2-carboxylic acid (2-hydroxycarbamoyl-1-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-ethyl)-amide;

N-hydroxy-3-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-3-pyrrolidin-1-yl-propionamide;

3-acetyl-amino-N-hydroxy-3-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-propionamide;

3-dimethylamino-N-hydroxy-3-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-propionamide;

3-(3-ethyl-ureido)-N-hydroxy-3-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-propionamide;

N-hydroxy-3-methanesulfonylamino-3-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-propionamide;

3-[(furan-2-ylmethyl)-amino]-N-hydroxy-3-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-propionamide;

3-benzylamino-N-hydroxy-3-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-propionamide;

(2-hydroxycarbamoyl-1-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-ethyl)-carbamic acid isobutyl ester;

N-hydroxy-3-{5-methyl-3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-propionamide;

N-hydroxy-3-{5-hydroxymethyl-3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-propionamide;

5-(2-hydroxycarbamoyl-ethyl)-3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazole-5-carboxylic acid methyl ester;

5-(2-hydroxycarbamoyl-ethyl)-3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazole-5-carboxylic acid hydroxyamide;

2-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-cyclopent-1-enecarboxylic acid hydroxyamide;

cis-2-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-cyclopentanecarboxylic acid hydroxyamide;

cis-4-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-pyrrolidine-3-carboxylic acid hydroxyamide;

cis-4-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-tetrahydro-furan-3-carboxylic acid hydroxyamide;

N-hydroxy-2-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-1-oxa-2-aza-spiro[4.5]dec-2-en-6-yl}-acetamide;

N-hydroxy-2-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-1,8-dioxo-2-aza-spiro[4.5]dec-2-en-6-yl}-acetamide;

6-hydroxycarbamoylmethyl-3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-1-oxa-2,8-diaza-spiro[4.5]dec-2-ene-8-carboxylic acid tert-butyl ester;

N-hydroxy-2-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-1-oxa-2,8-diaza-spiro[4.5]dec-2-en-6-yl}-acetamide;

N-hydroxy-2-{8-methyl-3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-1-oxa-2,8-diaza-spiro[4.5]dec-2-en-6-yl}-acetamide;

2-{8-acetyl-3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-1-oxa-2,8-diaza-spiro[4.5]dec-2-en-6-yl}-N-hydroxy-acetamide;

7-methyl-3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-6-oxo-1-oxa-2,7-diaza-spiro[4.4]non-2-ene-9-carboxylic acid hydroxyamide;

7-methyl-3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-6-oxo-1-oxa-2,7-diaza-spiro[4.5]dec-2-ene-10-carboxylic acid hydroxyamide;

N-hydroxy-2-(4-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-tetrahydro-pyran-4-yl)-acetamide;

2-(1-acetyl-4-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-piperidin-4-yl)-N-hydroxy-acetamide;

3-hydroxycarbamoylmethyl-3-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-pyrrolidine-1-carboxylic acid tert-butyl ester;

N-hydroxy-2-(3-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-pyrrolidin-3-yl)-acetamide; and

N-hydroxy-2-(1-methyl-3-{3-[4-(2-methyl-quinolin-4-ylmethoxy)-phenyl]-4,5-dihydro-isoxazol-5-yl}-pyrrolidin-3-yl)-acetamide;

or a stereoisomer or pharmaceutically acceptable salt form thereof.

9. (Original) A pharmaceutical composition, comprising: a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound according to Claim 1 or a pharmaceutically acceptable salt form thereof.

10. (Original) A method for treating an inflammatory disorder, comprising: administering to a patient in need thereof a therapeutically effective amount of a compound according to Claim 1 or a pharmaceutically acceptable salt form thereof.

11-12. (Canceled)

13. (Currently amended) A method of treating according to Claim 10 12, wherein the ~~disease or condition~~ inflammatory disorder is selected from ~~to as acute infection, acute phase response, age related macular degeneration, alcoholic liver disease, allergy, allergic asthma, anorexia, aneurism, aortic aneurism, asthma, atherosclerosis, atopic dermatitis, autoimmune disease, autoimmune hepatitis, Bechet's disease, cachexia, calcium pyrophosphate dihydrate deposition disease, cardiovascular effects, chronic fatigue syndrome, chronic obstruction pulmonary disease, coagulation, congestive heart failure, corneal ulceration, Crohn's disease, enteropathic arthropathy, Felty's syndrome, fever, fibromyalgia syndrome, fibrotic disease, gingivitis, glucocorticoid withdrawal syndrome, gout, graft versus host disease, hemorrhage, HIV infection, hyperoxic alveolar injury, infectious arthritis, inflammation, intermittent hydrarthrosis, Lyme disease, meningitis, multiple sclerosis, myasthenia gravis, mycobacterial infection, neovascular glaucoma, osteoarthritis, pelvic inflammatory disease, periodontitis, polymyositis/dermatomyositis, post-ischaemic reperfusion injury, post-radiation asthenia, psoriasis, psoriatic arthritis, pulmonary emphysema, pyoderma gangrenosum, relapsing polychondritis, Reiter's syndrome, rheumatic fever, rheumatoid arthritis, sarcoidosis, scleroderma, sepsis syndrome, Still's disease, shock, Sjogren's syndrome, and~~ skin inflammatory diseases, ~~solid tumor growth and tumor invasion by secondary metastases, spondylitis, stroke, systemic lupus erythematosus, ulcerative colitis, uveitis, vasculitis, and Wegener's granulomatosis.~~

14. (Canceled)

15-18. (Canceled)

19. (Previously presented) A compound according to Claim 2, wherein:

A is -C(O)NHOH or -N(OH)CHO;

U is absent or is O,  $\text{NR}^{\text{a1}}$ ,  $\text{C}(\text{O})$ ,  $\text{CR}^{\text{a}}(\text{OH})$ ,  $\text{C}(\text{O})\text{NR}^{\text{a1}}$ ,  $\text{NR}^{\text{a1}}\text{C}(\text{O})$ ,  $\text{S}(\text{O})_{\text{p}}$ ,  $\text{S}(\text{O})_{\text{p}}\text{NR}^{\text{a1}}$ , or  $\text{NR}^{\text{a1}}\text{S}(\text{O})_{\text{p}}$ ;

X is absent or is methylene, ethylene, propynylene, or butynylene;

Z is a  $\text{C}_{5-10}$  carbocycle substituted with 1-2  $\text{R}^{\text{b}}$ , or a 5-10 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and  $\text{S}(\text{O})_{\text{p}}$ , and substituted with 1-2  $\text{R}^{\text{b}}$ ;

$\text{Z}^{\text{a}}$  is H,  $\text{C}_{5-10}$  carbocycle substituted with 1-3  $\text{R}^{\text{c}}$ , or a 5-10 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and  $\text{S}(\text{O})_{\text{p}}$ , and substituted with 1-3  $\text{R}^{\text{c}}$ ;

provided that U, Y, Z, and  $\text{Z}^{\text{a}}$  do not combine to form a N-N, N-O, O-N, O-O,  $\text{S}(\text{O})_{\text{p}}\text{-O}$ ,  $\text{O-S}(\text{O})_{\text{p}}$ , or  $\text{S}(\text{O})_{\text{p}}\text{-S}(\text{O})_{\text{p}}$  group;

$\text{R}^1$  is Q,  $\text{C}_{1-6}$  alkylene-Q,  $\text{C}_{2-6}$  alkenylene-Q,  $\text{C}_{2-6}$  alkynylene-Q,  $-(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{r}}\text{O}(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{s}}\text{-Q}$ ,  $-(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{r}}\text{NR}^{\text{a}}(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{s}}\text{-Q}$ ,  $-(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{r}}\text{C}(\text{O})(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{s}}\text{-Q}$ ,  $-(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{r}}\text{C}(\text{O})\text{O}(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{s}}\text{-Q}$ ,  $-(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{r}}\text{C}(\text{O})\text{NR}^{\text{a}}\text{R}^{\text{a1}}$ ,  $-(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{r}}\text{C}(\text{O})\text{NR}^{\text{a}}(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{s}}\text{-Q}$ ,  $-(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{r}}\text{NR}^{\text{a}}\text{C}(\text{O})(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{s}}\text{-Q}$ ,  $-(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{r}}\text{OC}(\text{O})\text{NR}^{\text{a}}(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{s}}\text{-Q}$ ,  $-(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{r}}\text{NR}^{\text{a}}\text{C}(\text{O})\text{O}(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{s}}\text{-Q}$ ,  $-(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{r}}\text{S}(\text{O})_{\text{p}}(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{s}}\text{-Q}$ ,  $-(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{r}}\text{SO}_2\text{NR}^{\text{a}}(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{s}}\text{-Q}$ , or  $-(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{r}}\text{NR}^{\text{a}}\text{SO}_2(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{s}}\text{-Q}$ ;

Q is, independently at each occurrence, H, a  $\text{C}_{3-8}$  carbocycle substituted with 0-3  $\text{R}^{\text{d}}$ , or a 5-10 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and  $\text{S}(\text{O})_{\text{p}}$ , and substituted with 0-3  $\text{R}^{\text{d}}$ ;

$\text{R}^2$  is  $\text{Q}^1$ ,  $\text{C}_{1-6}$  alkylene- $\text{Q}^1$ ,  $\text{C}_{2-6}$  alkenylene- $\text{Q}^1$ ,  $-\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{r}}\text{O}(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{s}}\text{-Q}^1$ ,  $-(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{r}}\text{NR}^{\text{a}}(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{s}}\text{-Q}^1$ , or  $-(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{r}}\text{C}(\text{O})(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{s}}\text{-Q}^1$ ;

$\text{Q}^1$  is, independently at each occurrence, H, a  $\text{C}_{5-10}$  carbocycle substituted with 0-2  $\text{R}^{\text{d}}$ , or a 5-10 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and  $\text{S}(\text{O})_{\text{p}}$ , and substituted with 0-2  $\text{R}^{\text{d}}$ ;

$\text{R}^3$  is Q,  $\text{C}_{1-6}$  alkylene-Q,  $\text{C}_{2-6}$  alkenylene-Q,  $\text{C}_{2-6}$  alkynylene-Q,  $-(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{r}}\text{O}(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{s}}\text{-Q}$ ,  $-(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{r}}\text{NR}^{\text{a}}(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{s}}\text{-Q}$ ,  $-(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{r}}\text{C}(\text{O})(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{s}}\text{-Q}$ ,

$-(\text{CR}^a\text{R}^{a1})_r\text{NR}^a\text{C}(\text{O})(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{NR}^a\text{C}(\text{O})\text{O}(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ,  
 $-(\text{CR}^a\text{R}^{a1})_r\text{NR}^a\text{C}(\text{O})\text{NR}^a(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{S}(\text{O})_p(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ,  
 $-(\text{CR}^a\text{R}^{a1})_r\text{SO}_2\text{NR}^a(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ , or  $-(\text{CR}^a\text{R}^{a1})_r\text{NR}^a\text{SO}_2(\text{CR}^a\text{R}^{a1})_s\text{-Q}$ ;

alternatively,  $\text{R}^1$  and  $\text{R}^3$  combine, along with the carbon atom to which they are attached, to form a 5-6 membered carbocyclic or heterocyclic ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and  $\text{S}(\text{O})_p$  and substituted with 0-2  $\text{R}^d$ ;

alternatively, when  $\text{R}^1$  and  $\text{R}^3$  combine to form a carbocyclic or heterocyclic ring, the  $\text{R}^2$  and  $\text{R}^4$  combine to form a double bond;

$\text{R}^4$  is  $\text{Q}^1$ ,  $\text{C}_{1-6}$  alkylene- $\text{Q}^1$ ,  $\text{C}_{2-6}$  alkenylene- $\text{Q}^1$ ,  $-(\text{CR}^a\text{R}^{a1})_r\text{O}(\text{CR}^a\text{R}^{a1})_s\text{-Q}^1$ ,  
 $-(\text{CR}^a\text{R}^{a1})_r\text{NR}^a(\text{CR}^a\text{R}^{a1})_s\text{-Q}^1$ , or  $-(\text{CR}^a\text{R}^{a1})_r\text{C}(\text{O})(\text{CR}^a\text{R}^{a1})_s\text{-Q}^1$ ;

alternatively,  $\text{R}^3$  and  $\text{R}^4$  combine, along with the carbon atom to which they are attached, to form a 5-6 membered carbocyclic or heterocyclic ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and  $\text{S}(\text{O})_p$  and substituted with 0-2  $\text{R}^d$ ;

$\text{R}^{4a}$  is Q,  $\text{C}_{1-4}$  alkylene-Q,  $-(\text{CH}_2)_r\text{O}(\text{CH}_2)_s\text{-Q}$ ,  $-(\text{CH}_2)_r\text{NR}^a(\text{CH}_2)_s\text{-Q}$ ,  
 $-(\text{CH}_2)_r\text{C}(\text{O})(\text{CH}_2)_s\text{-Q}$ ,  $-(\text{CH}_2)_r\text{C}(\text{O})\text{O}(\text{CH}_2)_s\text{-Q}$ ,  $-(\text{CH}_2)_r\text{C}(\text{O})\text{NR}^a\text{R}^{a1}$ ,  $-(\text{CH}_2)_r\text{C}(\text{O})\text{NR}^a\text{OR}^a$ ,  
 $-(\text{CH}_2)_r\text{C}(\text{O})\text{NR}^a(\text{CH}_2)_s\text{-Q}$ ,  $-(\text{CH}_2)_r\text{NR}^a\text{C}(\text{O})(\text{CH}_2)_s\text{-Q}$ , or  $-(\text{CH}_2)_r\text{NR}^a\text{C}(\text{O})\text{O}(\text{CH}_2)_s\text{-Q}$ ;

alternatively,  $\text{R}^1$  and  $\text{R}^{4a}$  in Formula I combine, along with the carbon atoms to which they are attached, to form a 5-6 membered carbocyclic or heterocyclic ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and  $\text{S}(\text{O})_p$  and substituted with 0-3  $\text{R}^d$ , provided that n is 0;

alternatively,  $\text{R}^3$  and  $\text{R}^{4a}$  in Formula I combine, along with the carbon atoms to which they are attached, to form a 5-6 membered carbocyclic or heterocyclic ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and  $\text{S}(\text{O})_p$  and substituted with 0-2  $\text{R}^d$ ;

$\text{R}^{a3}$  is, independently at each occurrence, H,  $\text{C}_{1-6}$  alkyl,  $\text{C}_{2-6}$  alkenyl, or  $-(\text{CH}_2)_{r-3-8}$  membered carbocyclic or heterocyclic ring consisting of carbon atoms and 0-2 ring heteroatoms selected from N,  $\text{NR}^{a2}$ , O, and  $\text{S}(\text{O})_p$ , and substituted with 0-3  $\text{R}^{c1}$ ;

$R^c$  is, independently at each occurrence, H,  $OR^a$ , Cl, F, Br, =O,  $CF_3$ ,  $CH_2F$ ,  $CHF_2$ ,  $-(CR^aR^{a1})_rNR^aR^{a1}$ ,  $-(CR^aR^{a1})_rC(O)R^{a1}$ ,  $-(CR^aR^{a1})_rC(O)OR^{a1}$ ,  $-(CR^aR^{a1})_rC(O)NR^aR^{a1}$ ,  $-(CR^aR^{a1})_rNR^aC(O)R^{a1}$ ,  $-(CR^aR^{a1})_rS(O)_pR^{a3}$ ,  $-(CR^aR^{a1})_rSO_2NR^aR^{a1}$ ,  $-(CR^aR^{a1})_rNR^aSO_2R^{a3}$ ,  $C_{1-6}$  alkyl,  $C_{2-6}$  alkenyl,  $C_{2-6}$  alkynyl,  $C_{3-6}$  cycloalkyl substituted with 0-1  $R^{c1}$ , phenyl substituted with 0-2  $R^{c1}$ , or 5-6 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and  $S(O)_p$ , and substituted with 0-2  $R^{c1}$ ;

alternatively, when two  $R^c$  groups are attached to adjacent carbon atoms, together with the carbon atoms to which they are attached they form a 5-7 membered carbocyclic or heterocyclic ring D substituted with 0-2  $R^{c1}$  and consisting of: carbon atoms and 0-2 heteroatoms selected from N, O, and  $S(O)_p$ ;

$R^d$  is, independently at each occurrence,  $C_{1-6}$  alkyl,  $OR^a$ , Cl, F, Br, =O,  $-NR^aR^{a1}$ ,  $-C(O)R^a$ ,  $-C(O)OR^a$ ,  $-C(O)NR^aR^{a1}$ ,  $-S(O)_2NR^aR^{a1}$ ,  $-NR^aS(O)_2R^{a3}$ ,  $-S(O)_pR^{a3}$ ,  $CF_3$ , or phenyl;

$R^5$  is, independently at each occurrence,  $C_{1-4}$  alkyl substituted with 0-2  $R^b$ , or  $C_{1-4}$  alkyl substituted with 0-2  $R^e$ ;

r, at each occurrence, is selected from 0, 1, 2, and 3; and

s, at each occurrence, is selected from 0, 1, 2, and 3.

20. (Previously presented) A compound according to Claim 19, wherein:

A is  $-C(O)NHOH$ ;

Z is phenyl substituted with 1-2  $R^b$ , naphthyl substituted with 1-2  $R^b$ , or pyridyl substituted with 1-2  $R^b$ ;

$Z^a$  is phenyl substituted with 1-3  $R^c$ , naphthyl substituted with 1-3  $R^c$ , or a heterocycle substituted with 1-3  $R^c$  and selected from furanyl, tetrahydrofuranyl, thiazolyl, oxazolyl, imidazolyl, isothiazolyl, isoxazolyl, 4,5-dihydro-isoxazolyl, thienyl, triazolyl, thiadiazolyl, oxadiazolyl, pyridyl, pyrimidinyl, piperazinyl, piperidinyl, pyranyl, pyrazinyl, pyrazolyl, pyridoimidazolyl, pyrrolidinyl, pyrrolyl, indolyl, indolinyl, benzimidazolyl, benzothiazinyl, benzofuranyl, benzothiophenyl, benzoxazolyl, benzthiazolyl, benztriazolyl, benzisoxazolyl, benzisothiazolyl, quinolinyl, tetrahydroquinolinyl, isoquinolinyl,

tetrahydro-isoquinolinyl, indazolyl, isobenzofuranyl, isoindazolyl, isoindolyl, isoindolyl, methylenedioxyphenyl, quinazolinyl, 1,1-dioxido-2,3-dihydro-4H-1,4-benzothiazin-4-yl, 1,1-dioxido-3,4-dihydro-2H-1-benzothiopyran-4-yl, 3,4-dihydro-2H-chomen-4-yl, 2H-chomen-4-yl, and pyrazolo[1,5-a]pyridinyl;

provided that U, Y, Z, and Z<sup>a</sup> do not combine to form a N-N, N-O, O-N, O-O, S(O)<sub>p</sub>-O, O-S(O)<sub>p</sub>, or S(O)<sub>p</sub>-S(O)<sub>p</sub> group;

R<sup>1</sup> is selected from Q, C<sub>1-6</sub> alkylene-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>O(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)O(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)NR<sup>a</sup>R<sup>a1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)NR<sup>a</sup>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>C(O)(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, or -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>C(O)O(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q;

Q is, independently at each occurrence, H, a C<sub>3-6</sub> carbocycle substituted with 0-3 R<sup>d</sup>, or a 5-10 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and S(O)<sub>p</sub>, and substituted with 0-3 R<sup>d</sup>;

R<sup>2</sup> is Q<sup>1</sup> or C<sub>1-6</sub> alkylene-Q<sup>1</sup>;

Q<sup>1</sup> is, independently at each occurrence, H, phenyl substituted with 0-2 R<sup>d</sup>, or a 5-6 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and S(O)<sub>p</sub>, and substituted with 0-2 R<sup>d</sup>;

R<sup>3</sup> is Q, C<sub>1-4</sub> alkylene-Q, C<sub>2-4</sub> alkenylene-Q, C<sub>2-4</sub> alkynylene-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>C(O)(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>C(O)O(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>C(O)NR<sup>a</sup>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>S(O)<sub>p</sub>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>SO<sub>2</sub>NR<sup>a</sup>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q, or -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>SO<sub>2</sub>(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q;

alternatively, R<sup>1</sup> and R<sup>3</sup> combine, along with the carbon atom to which they are attached, to form a 5-6 membered carbocyclic or heterocyclic ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2 R<sup>d</sup>;

alternatively, when R<sup>1</sup> and R<sup>3</sup> combine to form a carbocyclic or heterocyclic ring, the R<sup>2</sup> and R<sup>4</sup> combine to form a double bond;



$R^4$  is  $Q^1$  or  $C_{1-6}$  alkylene- $Q^1$ ;

alternatively,  $R^3$  and  $R^4$  combine, along with the carbon atom to which they are attached, to form a 5-6 membered carbocyclic or heterocyclic ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-2  $R^d$ ;

$R^{4a}$  is Q,  $-CH_2-Q$ ,  $-CH_2O(CH_2)_s-Q$ ,  $-CH_2NR^a(CH_2)_s-Q$ ,  $-CH_2C(O)(CH_2)_s-Q$ ,  $-CH_2C(O)O(CH_2)_s-Q$ ,  $-CH_2C(O)NR^aR^{a1}$ ,  $-(CH_2)_rC(O)NR^aOR^a$ ,  $-CH_2C(O)NR^a(CH_2)_s-Q$ ,  $-CH_2NR^aC(O)(CH_2)_s-Q$ , or  $-CH_2NR^aC(O)O(CH_2)_s-Q$ ;

alternatively,  $R^1$  and  $R^{4a}$  in Formula I combine, along with the carbon atoms to which they are attached, to form a 5-6 membered carbocyclic or heterocyclic ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-3  $R^d$ , provided that n is 0;

alternatively,  $R^3$  and  $R^{4a}$  in Formula I combine, along with the carbon atoms to which they are attached, to form a 5-6 membered carbocyclic or heterocyclic ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-2  $R^d$ ;

$R^{a1}$  is, independently at each occurrence, H,  $C_{1-6}$  alkyl, phenyl, or benzyl;

$R^{a3}$  is, independently at each occurrence, H,  $C_{1-6}$  alkyl, phenyl, or benzyl;

$R^c$  is, independently at each occurrence, H,  $OR^a$ , Cl, F, Br, =O,  $CF_3$ ,  $CH_2F$ ,  $CHF_2$ ,  $-(CR^aR^{a1})_rNR^aR^{a1}$ ,  $-(CR^aR^{a1})_rC(O)R^{a1}$ ,  $-(CR^aR^{a1})_rC(O)OR^{a1}$ ,  $-(CR^aR^{a1})_rC(O)NR^aR^{a1}$ ,  $-(CR^aR^{a1})_rNR^aC(O)R^{a1}$ ,  $-(CR^aR^{a1})_rS(O)_pR^{a3}$ ,  $-(CR^aR^{a1})_rSO_2NR^aR^{a1}$ ,  $-(CR^aR^{a1})_rNR^aSO_2R^{a3}$ ,  $C_{1-6}$  alkyl,  $C_{2-6}$  alkenyl,  $C_{2-6}$  alkynyl, phenyl substituted with 0-2  $R^{c1}$ , or 5-6 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and  $S(O)_p$ , and substituted with 0-2  $R^{c1}$ ; and

alternatively, when two  $R^c$  groups are attached to adjacent carbon atoms, together with the carbon atoms to which they are attached they form a 5-6 membered carbocyclic or heterocyclic ring D substituted with 0-2  $R^{c1}$  and consisting of: carbon atoms and 0-2 heteroatoms selected from N, O, and  $S(O)_p$ .

21. (Previously presented) A compound according to Claim 20, wherein:

U is absent or is O,  $\text{NR}^{\text{a1}}$ ,  $\text{C}(\text{O})$ ,  $\text{CR}^{\text{a}}(\text{OH})$ ,  $\text{C}(\text{O})\text{NR}^{\text{a1}}$ , or  $\text{NR}^{\text{a1}}\text{C}(\text{O})$ ;

X is absent or is methylene or butynylene;

Y is absent or is O;

Z is phenyl substituted with 1-2  $\text{R}^{\text{b}}$ ;

$\text{Z}^{\text{a}}$  is naphthyl substituted with 1-3  $\text{R}^{\text{c}}$ , or a heterocycle substituted with 1-3  $\text{R}^{\text{c}}$  and selected from furanyl, tetrahydrofuranyl, thiazolyl, oxazolyl, imidazolyl, isothiazolyl, isoxazolyl, 4,5-dihydro-isoxazolyl, thienyl, triazolyl, thiadiazolyl, oxadiazolyl, pyridyl, pyrimidinyl, pyranyl, pyrazinyl, pyrazolyl, pyridoimidazolyl, pyrrolidinyl, pyrrolyl, quinolinyl, tetrahydroquinolinyl, isoquinolinyl, tetrahydro-isoquinolinyl, imidazolyl, benzimidazolyl, benzothiazinyl, benzofuranyl, benzothiophenyl, benzoxazolyl, benzthiazolyl, benztriazolyl, benzisoxazolyl, benzisothiazolyl, indolyl, indolinyl, indazolyl, isobenzofuranyl, isoindazolyl, isoindolinyl, isoindolyl, quinazolinyl, 1,1-dioxido-2,3-dihydro-4*H*-1,4-benzothiazin-4-yl, 1,1-dioxido-3,4-dihydro-2*H*-1-benzothiopyran-4-yl, 3,4-dihydro-2*H*-chomen-4-yl, 2*H*-chomen-4-yl, and pyrazolo[1,5-*a*]pyridinyl;

provided that U, Y, Z, and  $\text{Z}^{\text{a}}$  do not combine to form a N-N, N-O, O-N, O-O,  $\text{S}(\text{O})_{\text{p}}\text{-O}$ ,  $\text{O-S}(\text{O})_{\text{p}}$ , or  $\text{S}(\text{O})_{\text{p}}\text{-S}(\text{O})_{\text{p}}$  group;

$\text{R}^1$  is Q,  $\text{C}_{1-6}$  alkylene-Q,  $-(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{r}}\text{NR}^{\text{a}}(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{s}}\text{-Q}$ , or  $-(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{r}}\text{NR}^{\text{a}}\text{C}(\text{O})\text{O}(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{s}}\text{-Q}$ ;

Q is, independently at each occurrence, H, a  $\text{C}_{3-6}$  carbocycle substituted with 0-3  $\text{R}^{\text{d}}$ , or a 5-6 membered heterocycle consisting of carbon atoms and 1-4 heteroatoms selected from N, O, and  $\text{S}(\text{O})_{\text{p}}$ , and substituted with 0-3  $\text{R}^{\text{d}}$ ;

$\text{R}^2$  is H or  $\text{C}_{1-6}$  alkylene- $\text{Q}^1$ ;

$\text{R}^3$  is Q,  $\text{C}_{1-4}$  alkylene-Q,  $\text{C}_{2-4}$  alkenylene-Q,  $\text{C}_{2-4}$  alkynylene-Q,  $-(\text{CH}_2)_{\text{r}}\text{NR}^{\text{a}}(\text{CH}_2)_{\text{s}}\text{-Q}$ ,  $-(\text{CH}_2)_{\text{r}}\text{NR}^{\text{a}}\text{C}(\text{O})(\text{CH}_2)_{\text{s}}\text{-Q}$ ,  $-(\text{CH}_2)_{\text{r}}\text{NR}^{\text{a}}\text{C}(\text{O})\text{O}(\text{CR}^{\text{a}}\text{R}^{\text{a1}})_{\text{s}}\text{-Q}$ ,  $-(\text{CH}_2)_{\text{r}}\text{NR}^{\text{a}}\text{C}(\text{O})\text{NR}^{\text{a}}(\text{CH}_2)_{\text{s}}\text{-Q}$ ,  $-(\text{CH}_2)_{\text{r}}\text{S}(\text{O})_{\text{p}}(\text{CH}_2)_{\text{s}}\text{-Q}$ , or  $-(\text{CH}_2)_{\text{r}}\text{NR}^{\text{a}}\text{SO}_2(\text{CH}_2)_{\text{s}}\text{-Q}$ ;

$\text{R}^4$  is H or  $\text{C}_{1-6}$  alkylene- $\text{Q}^1$ ;

alternatively,  $\text{R}^3$  and  $\text{R}^4$  combine, along with the carbon atom to which they are attached, to form a 5-6 membered carbocyclic or heterocyclic ring consisting of: carbon

atoms and 0-2 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2 R<sup>d</sup>;

R<sup>4a</sup> is Q, -CH<sub>2</sub>-Q, -CH<sub>2</sub>O-Q, -CH<sub>2</sub>NR<sup>a</sup>-Q, -CH<sub>2</sub>C(O)<sub>s</sub>-Q, -CH<sub>2</sub>C(O)O-Q, -CH<sub>2</sub>C(O)NR<sup>a</sup>R<sup>a1</sup>, -C(O)NR<sup>a</sup>OR<sup>a</sup>, -CH<sub>2</sub>C(O)NR<sup>a</sup>-Q, or -CH<sub>2</sub>NR<sup>a</sup>C(O)O-Q;

alternatively, R<sup>1</sup> and R<sup>4a</sup> in Formula I combine, along with the carbon atoms to which they are attached, to form a 5-6 membered carbocyclic or heterocyclic ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-3 R<sup>d</sup>, provided that n is 0;

alternatively, R<sup>3</sup> and R<sup>4a</sup> in Formula I combine, along with the carbon atoms to which they are attached, to form a 5-6 membered carbocyclic or heterocyclic ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2 R<sup>d</sup>;

R<sup>a</sup> is, independently at each occurrence, H, or C<sub>1-4</sub> alkyl;

R<sup>a1</sup> is, independently at each occurrence, H, or C<sub>1-4</sub> alkyl;

R<sup>a3</sup> is, independently at each occurrence, H, C<sub>1-4</sub> alkyl, phenyl, or benzyl;

R<sup>c</sup> is, independently at each occurrence, C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, OR<sup>a</sup>, Cl, F, Br, =O, CF<sub>3</sub>, CH<sub>2</sub>F, CHF<sub>2</sub>, -NR<sup>a</sup>R<sup>a1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)R<sup>a1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)OR<sup>a1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>C(O)NR<sup>a</sup>R<sup>a1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>C(O)R<sup>a1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>S(O)<sub>p</sub>R<sup>a3</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>SO<sub>2</sub>NR<sup>a</sup>R<sup>a1</sup>, -(CR<sup>a</sup>R<sup>a1</sup>)<sub>r</sub>NR<sup>a</sup>SO<sub>2</sub>R<sup>a3</sup>, or phenyl; and

alternatively, when two R<sup>c</sup> groups are attached to adjacent carbon atoms, together with the carbon atoms to which they are attached they form a 5-6 membered carbocyclic or heterocyclic ring D substituted with 0-1 R<sup>c1</sup> and consisting of: carbon atoms and 0-2 heteroatoms selected from N, O, and S(O)<sub>p</sub>.

22. (Previously presented) A compound according to Claim 21, wherein:

U is absent or is O, NR<sup>a1</sup>, C(O), or CR<sup>a</sup>(OH);

Y is absent;

R<sup>1</sup> is H, C<sub>1-4</sub> alkylene-Q, -(CH<sub>2</sub>)<sub>r</sub>NR<sup>a</sup>(CH<sub>2</sub>)<sub>s</sub>-Q, or -(CH<sub>2</sub>)<sub>r</sub>NR<sup>a</sup>C(O)O(CR<sup>a</sup>R<sup>a1</sup>)<sub>s</sub>-Q;

R<sup>2</sup> is H, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, or CH(CH<sub>3</sub>)<sub>2</sub>;

$R^3$  is Q,  $C_{1-4}$  alkylene-Q,  $-(CH_2)_rNR^a(CH_2)_s-Q$ ,  $-(CH_2)_rNR^aC(O)(CH_2)_s-Q$ ,  $-(CH_2)_rNR^aC(O)O(CR^aR^{a1})_s-Q$ ,  $-(CH_2)_rNR^aC(O)NR^a(CH_2)_s-Q$ ,  $-(CH_2)_rS(CH_2)_s-Q$ , or  $-(CH_2)_rNR^aSO_2(CH_2)_s-Q$ ;

$R^4$  is H,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ , or  $CH(CH_3)_2$ ;

alternatively,  $R^3$  and  $R^4$  combine, along with the carbon atom to which they are attached, to form a 5-6 membered carbocyclic or heterocyclic ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-2  $R^d$ ;

$R^{4a}$  is Q,  $-CH_2-Q$ ,  $-CH_2O-Q$ ,  $-CH_2NR^a-Q$ ,  $-CH_2C(O)_s-Q$ ,  $-CH_2C(O)O-Q$ ,  $-CH_2C(O)NR^aR^{a1}$ ,  $-C(O)NR^aOR^a$ , or  $-CH_2C(O)NR^a-Q$ ;

alternatively,  $R^1$  and  $R^{4a}$  in Formula I combine, along with the carbon atoms to which they are attached, to form a 5-6 membered carbocyclic or heterocyclic ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-3  $R^d$ , provided that n is 0;

alternatively,  $R^3$  and  $R^{4a}$  in Formula I combine, along with the carbon atoms to which they are attached, to form a 5-6 membered carbocyclic or heterocyclic ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-2  $R^d$ ;

r, at each occurrence, is selected from 0, 1, and 2; and

s, at each occurrence, is selected from 0, 1, and 2.

23. (Previously presented) A compound according to Claim 22, wherein:

U is O,  $NR^{a1}$ , or  $CR^a(OH)$ ;

$Z^a$  is naphthyl substituted with 1-3  $R^c$ , or a heterocycle substituted with 1-3  $R^c$  and selected from pyridyl, quinolinyl, imidazolyl, benzimidazolyl, indolyl, 1,1-dioxido-2,3-dihydro-4*H*-1,4-benzothiazin-4-yl, 1,1-dioxido-3,4-dihydro-2*H*-1-benzothiopyran-4-yl, 3,4-dihydro-2*H*-chomen-4-yl, 2*H*-chomen-4-yl, pyrazolyl, and pyrazolo[1,5-*a*]pyridinyl;

$R^b$  is, independently at each occurrence, H,  $C_{1-6}$  alkyl,  $OR^a$ , Cl, F, Br,

$-\text{NR}^a\text{Ra}^1$ ,  $-\text{C}(\text{O})\text{Ra}^a$ ,  $-\text{C}(\text{O})\text{OR}^a$ ,  $-\text{C}(\text{O})\text{NR}^a\text{Ra}^1$ ,  $-\text{S}(\text{O})_2\text{NR}^a\text{Ra}^1$ ,  $-\text{NR}^a\text{S}(\text{O})_2\text{Ra}^3$ ,  
 $-\text{S}(\text{O})_p\text{Ra}^3$ , or  $\text{CF}_3$ ;

$\text{R}^c$  is, independently at each occurrence,  $\text{C}_{1-6}$  alkyl,  $\text{C}_{2-6}$  alkenyl,  $\text{C}_{2-6}$  alkynyl,  $\text{OR}^a$ ,  
 $\text{Cl}$ ,  $\text{F}$ ,  $\text{Br}$ ,  $=\text{O}$ ,  $\text{CF}_3$ ,  $-\text{NR}^a\text{Ra}^1$ ,  $-(\text{CR}^a\text{Ra}^1)_r\text{C}(\text{O})\text{Ra}^1$ ,  $-(\text{CR}^a\text{Ra}^1)_r\text{C}(\text{O})\text{OR}^a$ ,  
 $-(\text{CR}^a\text{Ra}^1)_r\text{C}(\text{O})\text{NR}^a\text{Ra}^1$ ,  $-(\text{CR}^a\text{Ra}^1)_r\text{NR}^a\text{C}(\text{O})\text{Ra}^1$ ,  $-(\text{CR}^a\text{Ra}^1)_r\text{S}(\text{O})_p\text{Ra}^3$ ,  
 $-(\text{CR}^a\text{Ra}^1)_r\text{SO}_2\text{NR}^a\text{Ra}^1$ , or  $-(\text{CR}^a\text{Ra}^1)_r\text{NR}^a\text{SO}_2\text{Ra}^3$ ; and

alternatively, when two  $\text{R}^c$  groups are attached to adjacent carbon atoms, together with the carbon atoms to which they are attached they form a 5-6 membered saturated ring consisting of: carbon atoms and 0-1 heteroatoms selected from  $\text{N}$ ,  $\text{O}$ , and  $\text{S}(\text{O})_p$ .

24. (New) A pharmaceutical composition, comprising: a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound according to Claim 2 or a pharmaceutically acceptable salt form thereof.

25. (New) A pharmaceutical composition, comprising: a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound according to Claim 3 or a pharmaceutically acceptable salt form thereof.

26. (New) A pharmaceutical composition, comprising: a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound according to Claim 4 or a pharmaceutically acceptable salt form thereof.

27. (New) A pharmaceutical composition, comprising: a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound according to Claim 5 or a pharmaceutically acceptable salt form thereof.

28. (New) A pharmaceutical composition, comprising: a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound according to Claim 6 or a pharmaceutically acceptable salt form thereof.

**29.** (New) A pharmaceutical composition, comprising: a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound according to Claim 7 or a pharmaceutically acceptable salt form thereof.

**30.** (New) A pharmaceutical composition, comprising: a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound according to Claim 8 or a pharmaceutically acceptable salt form thereof.

**31.** (New) A pharmaceutical composition, comprising: a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound according to Claim 19 or a pharmaceutically acceptable salt form thereof.

**32.** (New) A pharmaceutical composition, comprising: a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound according to Claim 20 or a pharmaceutically acceptable salt form thereof.

**33.** (New) A pharmaceutical composition, comprising: a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound according to Claim 21 or a pharmaceutically acceptable salt form thereof.

**34.** (New) A pharmaceutical composition, comprising: a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound according to Claim 22 or a pharmaceutically acceptable salt form thereof.

**35.** (New) A pharmaceutical composition, comprising: a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound according to Claim 23 or a pharmaceutically acceptable salt form thereof.